



DRAGONBOARD® USA

 UL Designs G575 (FLOOR/CEILING) U055 (WALL)

2 – HOUR FIRE RATED SYSTEM

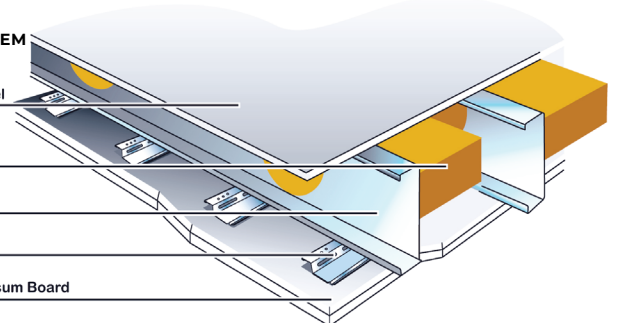
3/4" DragonBoard Structural Panel

3 1/2" Glass Fiber Insulation

Cold - Formed Steel Framing Joist

Drywall Suspension System

Two Layers 5/8" Firecode C - Gypsum Board



MAGNESIUM OXIDE [MGO] STRUCTURAL PANEL SUBFLOOR

Applications

- Structural Insulated Panels (SIPs)
- Hospitals
- Schools
- Hotels
- Office Buildings
- Airports
- Retail High-Rise Building
- Restaurants
- Renovations & Repositioning
- Adaptive Re-Use
- Single-Family Residential
- Multi-Family Residential
- Civic

Test Standard

- UL G575
- UL 055
- ASTM E136 Fire
- ASTM E119 Fire
- ULC W 497
- ASTM E84 Flame
- ASTM G21 Mold Propagation
- ASTM E662 Smoke
- ASTM D5628
- ULC R 22189
- ASTM D6109 Compression
- New York City MEA
- ICC (pending approval)
- ULC I 531

Contains

- Magnesium Oxide
- Proprietary Fibrous Reinforcement

Does Not Contain

- Asbestos
- Formaldehyde
- Polymers
- VOCs

**DRAGONBOARD®
ADVANTAGES & FEATURES**

Mold Mildew & Insect Resistant

- Non-nutrient to mold or fungus per ASTM G21
- Does not support insect life

Cost Savings

- Substantial savings versus poured concrete

Impact Resistant Construction Panel

- Extremely water resistant; will not disintegrate when immersed in water
- Weather resistant; resistant to freezing/expansion/contraction
- High-impact/impact resistant construction panel

Sizes

- 4' x 8' Standard Size
- 4' x 9' Special Order
- Custom lengths are available upon request

Nominal Thicknesses

- 3/4" Subflooring

Edge

- Ship-Lap 3/4"

3/4" Subflooring Distributed Live Loads LBS/Sq.Ft.

| | 12" OC | 16" OC | 24" OC |
|-------|--------|--------|--------|
| L/240 | 924 | 393 | 110 |
| L/360 | 609 | 257 | 81 |

Cutting Suggestions: Circular Saw

For specialty jobs, call DragonBoard Technical Services at 732-662-6275



FAQs AT A GLANCE – REV. 11.8.2018

Visit our website at DragonBoard.com for additional product information, technical guides, architectural specifications, submittal sheets, and safety information

INFO@DRAGONBOARD.COM | 732-662-6275 | 2960 WOODBRIDGE AVENUE, EDISON, NJ 08837



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FAQs

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MAGNESIUM OXIDE [MGO] STRUCTURAL PANEL SUBFLOOR FACTS AT A GLANCE

DragonBoard® –UL rated and approved Magnesium Oxide [MgO] subflooring and construction panel – Unparalleled Performance, Exceptional Value.

Q. When should I use DragonBoard?

A. Dragonboard is the most cost-effective fire rated replacement for poured concrete in floors and roof decks as well as walls where high impact fire rated surfaces are required. It allows rapid installation for accelerated schedules while giving architects and contractors a sustainable product that is silica free and mold intolerant.

Q. How do I finish DragonBoard

A. Dragonboard subflooring will accept almost all floorings from carpet to wood to resilient products such as luxury vinyl. DragonBoard decking works well with a wide range of waterproofing systems that allow foot traffic. In high impact walls, it can be finished similarly to drywall.

Q. What sizes are available?

A. Dragonboard subflooring and decking is available in ¾" (18mm) thickness and dimensions of 4'x 8'. It can be special ordered in other sizes.

Q. Is it a sustainable building product?

A. DragonBoard is very 'green' in comparison to competitive products. While Portland cement based board products use tremendous amounts of energy in their manufacture, DragonBoard uses a room temperature process that uses a small fraction of energy in comparison. With no silica, it does not pose the same threat to workers when cutting or sanding. Its mold resistance is exemplary.

Q. How does it handle and cut?

A. DragonBoard can be cut with circular saw using off the shelf blades specific to cement board.

Q. How do I treat the seams?

A. Dragonboard comes with a shiplap edge for tighter fit, faster installation and without the problems of compromised tongue or grooves. See installation instructions for more details

Q. What colors and finishes are available?

A. DragonBoard comes in off white with both a glassy smooth side and a rougher side with superior adhesion characteristics on both.

Q. How do I fasten dragonboard?

A. There are a variety of off the shelf screws in coil, belt and loose, widely available – see instructions for details

Q. Is pre-drilling necessary?

A. No, predrilling is not necessary

Q. Is DragonBoard heavy?

A. DragonBoard is about 20% lighter than Portland based boards of equal strength.

Q. Is DragonBoard expensive?

A. DragonBoard is extremely cost effective. In many applications DragonBoard can save 40-50% over poured concrete.

Q. Can I get LEED points for using DragonBoard?

A. Yes, DragonBoard is categorized in LEED's Indoor Environmental Quality (EQ) Section.

Q. How can I be sure I am getting Genuine DragonBoard?

A. Be sure you purchase DragonBoard from a reputable dealer and make sure you see the DragonBoard® trademark on every board.



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